

-EXAMPLE-



**NEWBORN SCREENING PROGRAM LABORATORY RESULTS**

PO Box 55729  
Shoreline, WA 98155-0729  
(206) 361-2902



ATTN: LABORATORY  
HOSPITAL NAME  
ADDRESS  
CITY, WA 98000

Normal Findings for Newborn Screening Disorders

| Birth Weight (grams) | Age at Collection (days) | PKU phenylalanine mg/dL blood | Thyroid (CH) TSH $\mu$ IU/mL serum | Adrenal** (CAH) 17-OHP ng/mL serum | Hemoglobin Phenotype |
|----------------------|--------------------------|-------------------------------|------------------------------------|------------------------------------|----------------------|
| $\geq 2500$          | 0 - 1                    | < 3                           | < 34.5*                            | < 60.0                             | FA                   |
|                      | 2 - 9                    | < 4                           | < 19.5                             | < 60.0                             | FA                   |
|                      | 10 - 179                 | < 4                           | < 19.5                             | < 60.0                             | FA or AF             |
|                      | 180 - 365                | < 4                           | < 19.5                             | < 60.0                             | AF or AA             |
| < 2500               | 0 - 1                    | < 3                           | < 34.5*                            | < 90.0                             | FA                   |
|                      | 2 - 9                    | < 4                           | < 34.5                             | < 90.0                             | FA                   |
|                      | 10 - 179                 | < 4                           | < 34.5                             | < 60.0                             | FA or AF             |
|                      | 180 - 365                | < 4                           | < 19.5                             | < 60.0                             | AF or AA             |

\* 19.5  $\mu$ IU/mL if T4 is  $\leq 10$   $\mu$ g/dL (for infants 0 - 1 day of age).

\*\* CAH normal values changed effective 8-13-01 due to a new test method.

Note: Thyroid and adrenal results for children over 30 days of age should be interpreted with caution as we have little experience screening older infants.



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STATE

LAB NO. 20020040000

TESTING

COMPLETED 01/08/2002

PATIENT INFORMATION

Medical Record Number: 123456

MOTHER:

SMITH

Last Name

JENNIFER

First Name

CHILD:

Name: \_\_\_\_\_

Twin: \_\_\_\_\_

Sex: MALE

Birth Weight: 8 lb 1 oz

Transfused: No

Birth Date: 01/01/2002

Collection Date: 01/02/2002

Age at Collection: 0 Days 21 Hrs

Primary Care Provider: WILLIAMS, JANE, MD

ID#: P12345

SUBMITTER: HOSPITAL NAME

ID#: H0000

OPTIONAL USE: \_\_\_\_\_

NEWBORN SCREENING REPORT

| <u>Disorder</u>  | <u>Results</u> | <u>Comments</u>                            |
|--|----------------|--|
| <b>Phenylketonuria (PKU)</b><br>phenylalanine: mg/dL blood         | [ <3 ]         | <u>NORMAL FINDING*</u>                     |
| <b>Congenital Hypothyroidism (CH)</b><br>T4: µg/dL serum           | [ 12. 00 ]     | <u>NORMAL FINDING*</u>                     |
| TSH: µIU/mL serum  | [ ]            | <u>TSH NOT MEASURED</u>                    |
| <b>Congenital Adrenal Hyperplasia (CAH)</b><br>17-OHP: ng/mL serum | [ 69. 00 ]     | <u>BORDERLINE</u><br><u>SEE ATTACHMENT</u> |
| <b>Hemoglobinopathy</b><br>phenotype                               | [ FA ]         | <u>NORMAL FINDING*</u>                     |

\* Based on child's characteristics and age at collection.

\* All infants should have a second newborn screen between 7 and 14 days to maximize detection of the disorders screened. Repeat screening is especially important for this infant either because the specimen was collected before 24 hours of age or the child had a very low birth weight (<1500g). Each of these factors can reduce the sensitivity of the screening tests.

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BORDERLINE ADRENAL - Most borderline results are due to factors other than CAH. However, to ensure that this infant does not have congenital adrenal hyperplasia (CAH), the child's health care provider has been contacted, and prompt collection of another newborn screening specimen and/or diagnostic work-up has been recommended.